

AMENDMENTS TO THE SPECIFICATION

[0030] The rotor body 50 which has vane-carrying slots such as 52 is shown in FIGS. 3 and 9. Each of the slots carries a vane, extends into the rotor body, is at right angles to an adjacent vane slot and forms a chord-like construction which extends from the circumference or periphery of the rotor into the rotor body as shown. The positioning of the slot relative to the center and relative to the other slots is important in reducing the sound of operation. ~~The intersection of the slot or its centerline with the circumference is at about a 24 degree angle relative to a line extending through the center of the rotor and normal to an adjacent slot.~~ The angular relation between the centerline of a vane receiving slot and a line passing through the rotor center and the center of the vane slot opening at the periphery of the rotor is about 24°. The angular relation can vary between 23° and 25°. This angular relationship is important as it permits vane movement in the slot and reduces vane bounce during rotation. The mass or weight of each vane is important to maximize radial force. The weight of the vane herein is about 6.75 grams. The combination of vane mass and angular relation also reduces vane bounce and noise.